



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

647.1601

Job Sheet 169451



Part No: 647.1601

Job Qty: 6 ea

Part Name: Wiper Deflector Aft



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 12/12/17

Job Tracking No:

Created By: Mario Poulin

Due Date: 1/19/18

Description:

Note: DWG REV A SHEET 1 IPP REV:A 12.10.04 NEW ISSUE DD VERF:JFS

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation          | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off    |
|-------|--------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|-------------|
|       |                    |       |            |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |             |
| 90    | Start up Operation | 6 Ea  |            | 1/18/18  | 0.00      | 0.00    | Start Up Stores/Pkg-1 |           | JAN 25 2018 |
| 110   | Packaging          | 6 pcs |            | 1/18/18  | 0.00      | 0.00    | Packaging1-1          |           |             |
| 120   | Small Fab          | 6 pcs |            | 1/19/18  | 0.00      | 0.40    | Small Fab-1           |           |             |
| 130   | QC                 | 6 pcs |            | 1/19/18  | 0.00      | 0.00    | QC5                   |           |             |
| 140   | Packaging          | 6 pcs |            | 1/19/18  | 0.00      | 0.00    | Packaging3-1          |           | FEB 13 2018 |
| 150   | QC21-SA            | 6 Ea  |            | 1/19/18  | 0.00      | 0.00    | QC21                  |           |             |

Part Op 120 - 1- Assemble as per dwg

Descriptions: 140 - \*\*\*IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV\*\*\*

DAS  
21  
9-50

FEB 16 2018

### Job Allocations

| Operation             | Component Part | Required | Inventory | Allocated | Std Qty |
|-----------------------|----------------|----------|-----------|-----------|---------|
| 90-Start up Operation | 647.1611       | 6        | 7         | 0         | 0       |
|                       | 647.1612       | 12       | 2         | 0         | 0       |
|                       | MS21042-08     | 18       | 0         | 0         | 0       |
|                       | MS27039-08-12  | 18       | 188       | 0         | 0       |
|                       | NAS1149FN832P  | 36       | 3,651     | 0         | 0       |

5019320-1

### Part Specifications

Specifications could not be found.

Plex 12/12/17 9:24 AM dart.poulin.mario

000104

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

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| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/>                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: left;"> <b>Dart Aerospace Ltd.</b><br/>           1270 Aberdeen Street<br/>           Hawkesbury, ON K64 1K7<br/>           CANADA<br/>           TEL.: 1 613 632 - 5200<br/>           Email: sales@dartaero.com<br/>           www.dartaerospace.com         </div> <div style="text-align: center;"> <br/> <b>647.1601</b> </div> <div style="text-align: center;"> <br/> <b>S035742</b> </div> <div style="text-align: center;"> <b>Wiper Deflector Aft</b> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Root Cause</b><br><table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">           Environment <input type="checkbox"/><br/>           Design <input type="checkbox"/><br/>           Doc/Data <input type="checkbox"/><br/>           Equip/Tooling <input type="checkbox"/><br/>           Handling/Pre <input type="checkbox"/><br/>           Material <input type="checkbox"/><br/>           Internal Transport <input type="checkbox"/><br/>           Tribal Knowledge <input type="checkbox"/><br/>           LOA <input type="checkbox"/><br/>           Substation <input type="checkbox"/><br/>           Past Expiry Date <input type="checkbox"/><br/>           Misidentified <input type="checkbox"/> </td> <td style="width:50%;">           No Re-verification <input type="checkbox"/><br/>           Operator <input type="checkbox"/><br/>           Offset/Setup <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Training <input type="checkbox"/><br/>           Use for Testing <input type="checkbox"/><br/>           Poor Information <input type="checkbox"/><br/>           Rushing <input type="checkbox"/><br/>           Product Improvement <input type="checkbox"/><br/>           Process Improvement <input type="checkbox"/><br/>           Manufacturing Process <input type="checkbox"/><br/>           Past Due <input type="checkbox"/> </td> </tr> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Environment <input type="checkbox"/><br>Design <input type="checkbox"/><br>Doc/Data <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Pre <input type="checkbox"/><br>Material <input type="checkbox"/><br>Internal Transport <input type="checkbox"/><br>Tribal Knowledge <input type="checkbox"/><br>LOA <input type="checkbox"/><br>Substation <input type="checkbox"/><br>Past Expiry Date <input type="checkbox"/><br>Misidentified <input type="checkbox"/> | No Re-verification <input type="checkbox"/><br>Operator <input type="checkbox"/><br>Offset/Setup <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Training <input type="checkbox"/><br>Use for Testing <input type="checkbox"/><br>Poor Information <input type="checkbox"/><br>Rushing <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Past Due <input type="checkbox"/> | <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">           Pressure/Forced <input type="checkbox"/><br/>           Bending <input type="checkbox"/><br/>           Centre Not Concentric <input type="checkbox"/><br/>           Cracks <input type="checkbox"/><br/>           Crimp/Kink/Ripple/Wave <input type="checkbox"/><br/>           Cuffs <input type="checkbox"/><br/>           Crushing <input type="checkbox"/><br/>           Heat Treat <input type="checkbox"/><br/>           Wave/Twist in Tube <input type="checkbox"/><br/>           Marks/Chatter <input type="checkbox"/> </td> <td style="width:50%;">           T <input type="checkbox"/><br/>           S <input type="checkbox"/><br/>           B <input type="checkbox"/><br/>           B <input type="checkbox"/><br/>           In <input type="checkbox"/><br/>           C <input type="checkbox"/><br/>           C <input type="checkbox"/><br/>           C <input type="checkbox"/><br/>           Instructions incomplete/unclear <input type="checkbox"/><br/>           Drill Holes <input type="checkbox"/> </td> </tr> </table> |  | Pressure/Forced <input type="checkbox"/><br>Bending <input type="checkbox"/><br>Centre Not Concentric <input type="checkbox"/><br>Cracks <input type="checkbox"/><br>Crimp/Kink/Ripple/Wave <input type="checkbox"/><br>Cuffs <input type="checkbox"/><br>Crushing <input type="checkbox"/><br>Heat Treat <input type="checkbox"/><br>Wave/Twist in Tube <input type="checkbox"/><br>Marks/Chatter <input type="checkbox"/> | T <input type="checkbox"/><br>S <input type="checkbox"/><br>B <input type="checkbox"/><br>B <input type="checkbox"/><br>In <input type="checkbox"/><br>C <input type="checkbox"/><br>C <input type="checkbox"/><br>C <input type="checkbox"/><br>Instructions incomplete/unclear <input type="checkbox"/><br>Drill Holes <input type="checkbox"/> | <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">           Hit/Function <input type="checkbox"/><br/>           Misaligned/off center <input type="checkbox"/> </td> <td style="width:50%;">           Positioned Wrong <input type="checkbox"/><br/>           Outside Dimensions <input type="checkbox"/><br/>           Over/Under tolerance <input type="checkbox"/><br/>           Part Incorrect <input type="checkbox"/><br/>           Part Lost/Missing <input type="checkbox"/><br/>           Part Moved <input type="checkbox"/><br/>           Drawing <input type="checkbox"/><br/>           Finish <input type="checkbox"/><br/>           Misread <input type="checkbox"/><br/>           Turning Sequence <input type="checkbox"/> </td> </tr> </table> |  | Hit/Function <input type="checkbox"/><br>Misaligned/off center <input type="checkbox"/> | Positioned Wrong <input type="checkbox"/><br>Outside Dimensions <input type="checkbox"/><br>Over/Under tolerance <input type="checkbox"/><br>Part Incorrect <input type="checkbox"/><br>Part Lost/Missing <input type="checkbox"/><br>Part Moved <input type="checkbox"/><br>Drawing <input type="checkbox"/><br>Finish <input type="checkbox"/><br>Misread <input type="checkbox"/><br>Turning Sequence <input type="checkbox"/> |
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| <b>Engineering</b> <input type="checkbox"/><br><b>Quality</b> <input type="checkbox"/><br><b>Other</b> <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>MRB (QSI042) Approval</b><br><br><b>Completed By</b><br><br><b>Lead hand / Supervisor Approval Verification</b><br><br><b>QC / QA Coordinator Approval</b>                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>OTHER :</b> _____                                           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Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

## Master Unit 000104

Tel (613) 632-5200

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| Containers on Master Unit 000104 |               |                  |           |          |
|----------------------------------|---------------|------------------|-----------|----------|
| Serial No                        | Part No       | Customer Part No | Status    | Quantity |
| S035695                          | 647.1611      |                  | Allocated | 6        |
| S025830                          | 647.1612      |                  | Allocated | 12       |
| S035692                          | MS21042L08    |                  | Allocated | 18       |
| S035687                          | MS27039-08-12 |                  | Allocated | 18       |
| S035683                          | NAS1149FN832P |                  | Allocated | 36       |